

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chayan Mitra et al.

Group Art Unit:

Serial No.:

Examiner:

Filed:

For TRANSISTOR SWITCH FOR HIGH FREQUENCY  
AND HIGH POWER APPLICATIONS

## INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**  
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**  
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**  
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**  
[On or before issue fee payment] *\$180.00*

ATTN: MAILSTOP PATENT APPLICATION  
US PATENT & TRADEMARK OFFICE  
2011 S. CLARK PLACE  
CRYSTAL PLAZA II, LBY RM 1B03  
ARLINGTON, VA 22202-0001

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☐ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

\_\_\_\_\_  
Date of Deposit\_\_\_\_\_  
Type or Print Name\_\_\_\_\_  
Signature

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below;
- ☐ 9 <sup>or</sup> The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

12/10/03

Date

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FORM PTO-1449 (REV. 7-80)				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 134446		SERIAL NO.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>LIST OF ITEMS</u>						Applicant Chayan Mitra, et al			
						Filing Date		Group	
<b>U.S. PATENT DOCUMENTS</b>									
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate			
<b>FOREIGN PATENT DOCUMENTS</b>									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	<u>TRANSLATION</u> YES      NO		
<b>OTHER INFORMATION</b> (Including Author, Title, Date, Pertinent Pages, etc.)									
	C1	Y. Uesugi, et al, "Generation of high heat flux plasmas by high power rf heating in the divertor plasma simulator NAGDIS-II", Vacuum 59 (2000) pp: 24 -34							
	C2	Y.M. Sung et al, "A review of SiC Static induction transistor development for high frequency power amplifiers", Solid-State Electronics 46 (2002) pp: 605-613							
	C3	S. Ortolland et al, "Optimisation of a power 4H-SiC SIT device for RF heating applications", Materials Science and Engineering B 61-62 (1999) pp: 411-414							
EXAMINER					DATE CONSIDERED				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant									